	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
1	US 20050031023 A1	20050210	21	Systems and methods for parallel signal cancellation	375/148		Narayan, Anand P. et al.
2	US 20040258140 A1	20041223	20	Bandpass processing of a spread spectrum signal	375/148	375/150	Ramberg, Erik A. et al.
3	US 20040240532 A1	20041202	13	Wireless communication method and system for assigning multi-paths to rake receiver fingers	375/148		Reznik, Alexander et al.
4	US 20040240530 A1	20041202	10	Multipath discriminator module for a navigation system	375/148		Schweikert, Robert et al.
5	US 20040228391 A1	20041118	20	Phase, frequency and gain characterization and mitigation in SCDMA burst receiver using multi-pass processing	375/148		Sommer, Naftali et al.
6	US 20040208236 A1	20041021	14	Apparatus for and method of making pulse-shape measurements	375/148	375/150	Fenton, Patrick C.
7	US 20040196892 A1	20041007	19	Parallel interference cancellation receiver for multiuser detection CDMA signals	375/148		Reznik, Alexander
8	US 20040156423 A1	20040812	17	Channel gain estimation in a rake receiver using complex weight generation (CWG) algorithms	375/148		Li, Bin et al.
9	US 20040156422 A1	20040812	13	Low complexity frequency-offset correction method	375/148	375/152; 375/343	Liljestrom, Henrik
10	US 20040151235 A1	20040805	19	Interference cancellation in a signal	375/148		Olson, Eric S. et al.
11	US 20040146093 A1	20040729	23	Systems and methods for reducing interference in CDMA systems	375/148		Olson, Eric S. et al.
12	US 20040114672 A1	20040617	9	Method and receiving unit for demodulating a multi-path signal	375/148		LaRosa, Christopher et al.
13	US 20040066842 A1	20040408	31	Method and apparatus for raking in a wireless network	375/148	375/150	McCorkle, John W.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
14	US 20040052305 A1	20040318	35	Construction of an interference matrix for a coded signal processing engine	375/148	375/285	Olson, Eric S. et al.
15	US 20040028121 A1	20040212	60	Receiver processing systems	375/144	375/148	Fitton, Michael P.
16	US 20040017843 A1	20040129	59	Receiver processing systems	375/148		Fitton, Michael Philip et al.
17	US 20030235240 A1	20031225	23	Radio receiver	375/148	375/150	Kawamoto, Kiyoshi et al.
18	US 20030179814 A1	20030925	11	Receiver and method of receiving a cdma signal in presence of interfereres with unknown spreading factors	375/148		Juntti, Markku et al.
19	US 20030147457 A1	20030807	34	Data message bit synchronization and local time correction methods and architectures	375/148	375/150	King, Thomas Michael et al.
20	US 20030142733 A1	20030731	9	Method for frequency offset estimation in a direct sequence spread spectrum communications receiver	375/148	375/149; 375/150	Boloorian, Majid
21	US 20030142732 A1	20030731	10	Novel receiver architecture for CDMA receiver downlink	375/148		Moshavi, Shimon et al.
22	US 20030128747 A1	20030710	34	Multiplexed CDMA and GPS searching	375/148	375/152	Poon, Wang Paul et al.
23	US 20030118080 A1	20030626	11	Advanced spread spectrum clock generation technique for EMI reduction of multiple clock sources	375/130	375/144; 375/148; 375/346	Hailey, Jeffery Charles
24	US 20030112856 A1	20030619	13	Acquisition of a gated pilot signal with coherent and noncoherent integration	375/148	375/150	Challa, Raghu et al.
25	US 20030053526 A1	20030320	21	Parallel interference cancellation receiver for multiuser detection of CDMA signals	375/148	370/201	Reznik, Alexander

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
26	US 20030043891 A1	20030306	24	Radio receiver	375/148	375/149; 375/150	Takahashi, Hideyuki
27	US 20030039235 A1	20030227	17	Receiver method and apparatus with complex pilot filter	370/342	370/209; 375/148; 375/152	Odenwalder, Joseph P. et al.
28	US 20020181559 A1	20021205	29	Adaptive, multimode rake receiver for dynamic search and multipath reception	375/148	375/349	Heidari-Bateni, Ghobad et al.
29	US 20020159507 A1	20021031	24	Method and apparatus for regenerative based interference cancellation within a communication system	375/148		Flaig, Alexander et al.
30	US 20020137546 A1	20020926	16	Radio base station device and radio communication method	455/561	375/148	Miya, Kazuyuki et al.
31	US 20020101912 A1	20020801	27	Multipath and tracking error reduction method for spread-spectrum receivers	375/148		Phelts, Robert Eric et al.
32	US 20020085623 A1	20020704	16	System, method and apparatus for wireless channel parameter estimation in spread spectrum communication systems	375/148		Madkour, Mohamed F. et al.
33	US 20020015439 A1	20020207	65	GPS system for navigating a vehicle	375/148	375/150; 701/213	Kohli, Sanjai et al.
34	US 20020009064 A1	20020124	17	Method and apparatus for processing a punctured pilot channel	370/335	375/148	Blessent, Luca et al.
35	US 20010050948 A1	20011213	20	RECEIVING A SPREAD SPECTRUM SIGNAL	375/148	375/150	RAMBERG, ERIK A. et al.
36	US 20010012316 A1	20010809	19	Rake receiver with low pass filer	375/148	375/149	Maruyama, Yuichi
37	US 20010007572 A1	20010712	27	High data CDMA wireless comminication system using variable sized channel codes	375/148	375/149	Odenwalder, Joseph P.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
38	US 6819931 B2	20041116	35	Method and apparatus for assigning tracking elements to received signals	455/456.6	375/148; 375/347; 375/349; 455/506	Amerga; Messay et al.
39	US 6801565 B1	20041005	25	Multi-stage rake combining methods and apparatus	375/148	375/150; 375/347	Bottomley; Gregory Edward et al.
40	US 6795488 B1	20040921	77	Spread spectrum communication apparatus	375/148	370/342	Iwakiri; Naohiko
41	US 6792033 B1	20040914	12	Array antenna reception apparatus	375/148	375/347	Maruta; Yasushi et al.
42	US 6788733 B1	20040907	19	Method and apparatus for interference cancellation in a communication system	375/148	375/144	Whang; Keum-Chan et al.
43	US 6760364 B2	20040706	47	Multipath processing for GPS receivers	375/150	375/148; 375/149	Kohli; Sanjai et al.
44	US 6757345 B1	20040629	16	Reception method and receiver	375/349	375/148; 375/150; 375/341; 375/343	Heinila ; Marko
45	US 6748011 B2	20040608	19	Efficient multicarrier filter	375/148	375/350	Ekvetchavit; Thunyachate et al.
46	US 6744404 B1	20040601	36	Unbiased code phase estimator for mitigating multipath in GPS	342/357.12	375/148	Whitehead; Michael L. et al.
47	US 6728305 B2	20040427	26	Simultaneous plural code series generator and CDMA radio receiver using same	375/148	375/347; 375/349	Ogawa; Shinsuke et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
48	US 6724809 B2	20040420	20	Parallel interference cancellation receiver for multiuser detection of CDMA signals	375/148		Reznik; Alexander
49	US 6714585 B1	20040330	24	Rake combining methods and apparatus using weighting factors derived from knowledge of spreading spectrum signal characteristics	375/148		Wang; Yi-Pin Eric et al.
50	US 6680727 B2	20040120	22	Method and apparatus for canceling pilot interference in a CDMA communication system	375/144	375/148; 375/346	Butler; Brian K. et al.
51	US 6674792 B1	20040106	17	Demodulation of receiver with simple structure	375/148		Sugita; Naohiko
52	US 6647052 B2	20031111	11	Advanced spread spectrum clock generation technique for EMI reduction of multiple clock sources	375/130	375/144; 375/148; 375/346	Hailey; Jeffery Charles
53	US 6628699 B2	20030930	20	Receiving a spread spectrum signal	375/148	375/134; 375/137; 375/142; 375/150	Ramberg; Erik A. et al.
54	US 6618434 B2	20030909	30	Adaptive, multimode rake receiver for dynamic search and multipath reception	375/148	375/150	Heidari-Bateni; Ghobad et al.
55	US 6577674 B1	20030610	15	Channel compensator for DS-CDMA receiver	375/148	370/342; 375/346	Ko; Seok-Jun et al.
56	US 6560272 B1	20030506	16	Decode circuit for code division multiple access receiver	375/147	375/148; 375/316; 375/317	Komatsu; Masahiro

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
57	US 6546040 B1	20030408	15	GPS receiver having improved signal acquisition at a low signal to noise ratio	375/140	342/357.06; 342/357.12; 342/357.15; 375/130; 375/148; 375/152	Eschenbach; Ralph F.
58	US 6493379 B1	20021210	16	Arrival direction estimation method using an array antenna and DS-CDMA receiver unit using the method	375/150	342/378; 370/342; 375/148; 375/347	Tanaka; Yoshinori et al.
59	US 6466566 B1	20021015	38	Low complexity adaptive interference mitigating CDMA detector	370/342	375/144; 375/148	De Gaudenzi; Riccardo et al.
60	US 6404803 B1	20020611	15	PN code acquisition with adaptive antenna array and adaptive threshold for CDMA wireless communications	375/148	375/144; 455/137; 455/303	Wang; Bing et al.
61	US 6333947 B1	20011225	18	Interference cancellation system and method and CDMA receiver including an interference cancellation circuit	375/148	375/346	van Heeswyk; Frank Martin et al.
62	US 6298050 B1	20011002	18	System and method for cancelling the extra interference created during position location in a CDMA cellular system	370/335	370/342; 375/144; 375/148; 375/349	van Heeswyk; Frank Martin et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
63	US 6278725 B1	20010821	8	Automatic frequency control loop multipath combiner for a rake receiver	375/148	375/344	Rouphael; Antoine J. et al.
64	US 6249542 B1	20010619	47	Multipath processing for GPS receivers	375/150	375/148	Kohli; Sanjai et al.
65	US 6219391 B1	20010417	15	Wireless communication apparatus and wireless communication method	375/346	375/148	Nakano; Takayuki
66	US 6219376 B1	20010417	49	Apparatuses and methods of suppressing a narrow-band interference with a compensator and adjustment loops	375/148	375/285; 375/346; 375/350; 455/296; 455/306	Zhodzishsky; Mark I. et al.
67	US 6198765 B1	20010306	34	Spread spectrum receiver with multi-path correction	375/142	370/335; 370/350; 375/148; 375/149; 375/150	Cahn; Charles R. et al.
68	US 6175587 B1	20010116	13	Communication device and method for interference suppression in a DS-CDMA system	375/148	370/335; 375/147; 375/150; 455/133; 455/137; 455/442	Madhow; Upamanyu et al.
69	US 6160841 A	20001212	58	Mitigation of multipath effects in global positioning system receivers	375/148	375/150	Stansell, Jr.; Thomas Atlee et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
70	US 6137788 A	20001024	50	CDMA demodulating apparatus	370/342	370/442; 370/479; 375/148	Sawahashi; Mamoru et al.
71	US 6125135 A	20000926	30	System and method for demodulating global positioning system signals	375/130	342/352; 375/148; 375/150; 701/213; 701/214	Woo; Richard K. T. et al.
72	US 6072822 A	20000606	14	Terminal unit for use with radio system and searching method	375/147	375/148; 375/150	Naruse; Tetsuya et al.
73	US 6047017 A	20000404	41	Spread spectrum receiver with multi-path cancellation	375/148	375/134; 375/136; 375/150	Cahn; Charles R. et al.
74	US 6047016 A	20000404	20	Processing a spread spectrum signal in a frequency adjustable system	375/148	375/150	Ramberg; Erik A. et al.
75	US 6028888 A	20000222	16	Single-channel and multi-channel coherent demodulation devices with no pilot signal, and corresponding receiving system using a plurality of diversity paths	375/148	370/208; 375/150	Roux; Pierre
76	US 5963582 A	19991005	60	Mitigation of multipath effects in global positioning system receivers	375/148	370/320; 375/249; 375/250; 375/343	Stansell, Jr.; Thomas A.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
77	US 5930288 A	19990727	12	Time-shared lock indicator circuit and method for power control and traffic channel decoding in a radio receiver	375/148		Eberhardt; Michael A.
78	US 5920549 A	19990706	9	Method of handing off and a wireless communication device	370/331	375/148; 455/436	Bruckert; Eugene J. et al.
79	US 5841806 A	19981124	35	Method and apparatus for the transmission of energy-scaled variable rate data	375/146	370/208; 370/342; 375/148; 375/150; 375/295; 380/34; 455/466	Gilhousen; Klein S. et al.
80	US 5787112 A	19980728	53	Data demodulation circuit and method for spread spectrum communication	375/148	375/367; 375/371	Murai; Hideshi
81	US 5719899 A	19980217	12	Multiple access digital transmission system and a radio base station and a receiver for use in such a system	375/144	370/320; 370/342; 370/479; 375/148; 375/343; 375/349; 455/65	Thielecke; Jorn et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
82	US 5625640 A	19970429	18	Apparatus for and method of broadcast satellite network return-link signal transmission	375/132	342/352; 370/316; 375/148; 375/152	Palmer; Larry C. et al.
83	US 5608722 A	19970304	22	Multi-user communication system architecture with distributed receivers	370/320	370/203; 375/148	Miller; David S.
84	US 5602833 A	19970211	29	Method and apparatus for using Walsh shift keying in a spread spectrum communication system	370/209	370/335; 375/142; 375/144; 375/146; 375/148; 375/150; 375/261; 375/340	Zehavi; Ephraim
85	US 5490165 A	19960206	32	Demodulation element assignment in a system capable of receiving multiple signals	370/335	375/148; 375/267	Blakeney, II; Robert D. et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
86	US 5347536 A	19940913	26	Multipath noise reduction for spread spectrum signals	375/148	375/149; 375/150; 375/226; 375/254; 375/285; 375/346; 380/2; 380/34; 455/226.1; 455/296; 455/501; 455/65; 455/67.11; 455/67.13	Meehan; Thomas K.
87	US 4922506 A	19900501	28	Compensating for distortion in a communication channel	375/142	324/639; 375/144; 375/146; 375/148; 375/150; 375/224; 375/343; 703/4; 708/303	McCallister; Ronald D. et al.